

Figure 4-1. Gulf of Mexico Offshore and Coastal Subareas.

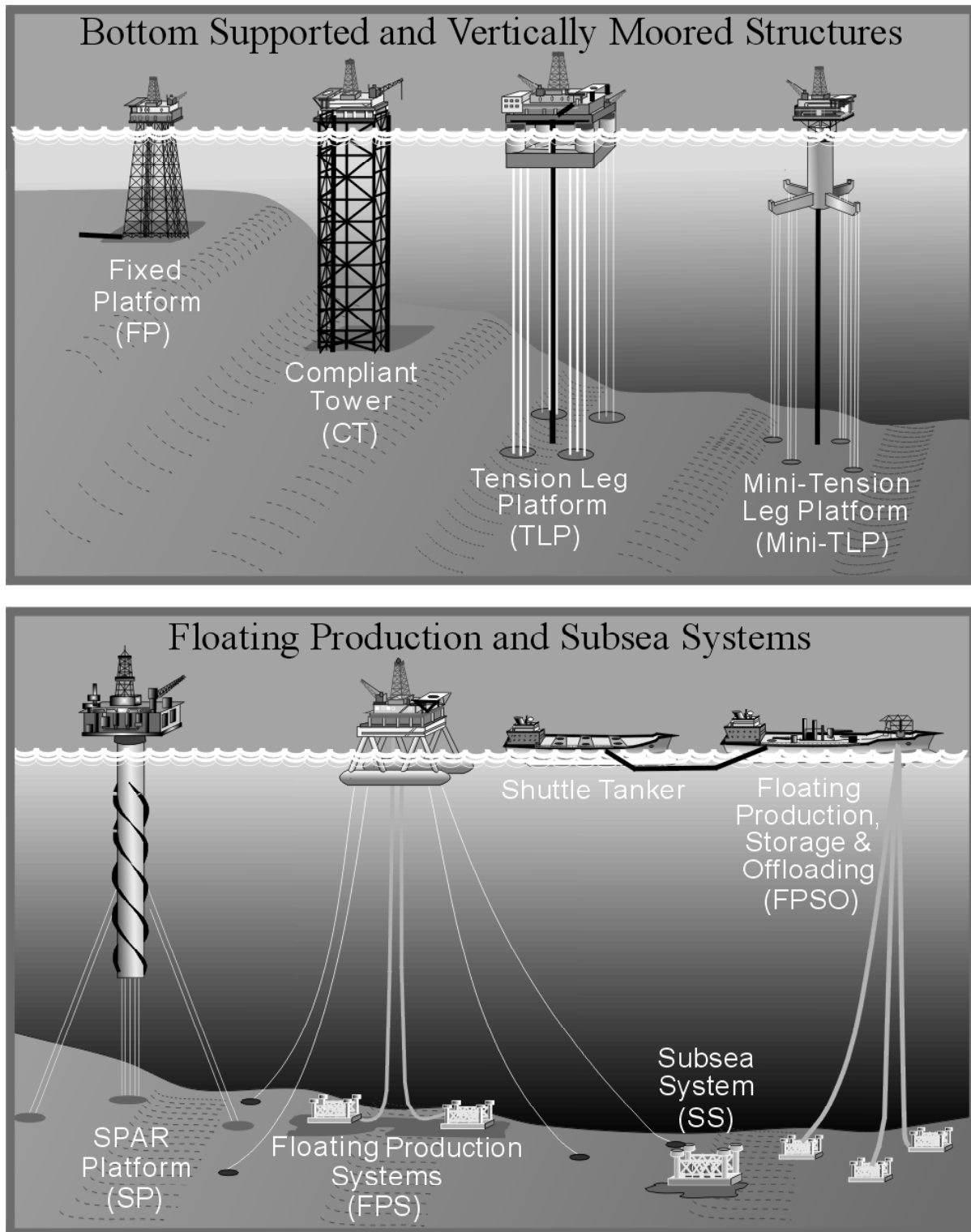


Figure 4-2. Types of Deepwater Production Structures.

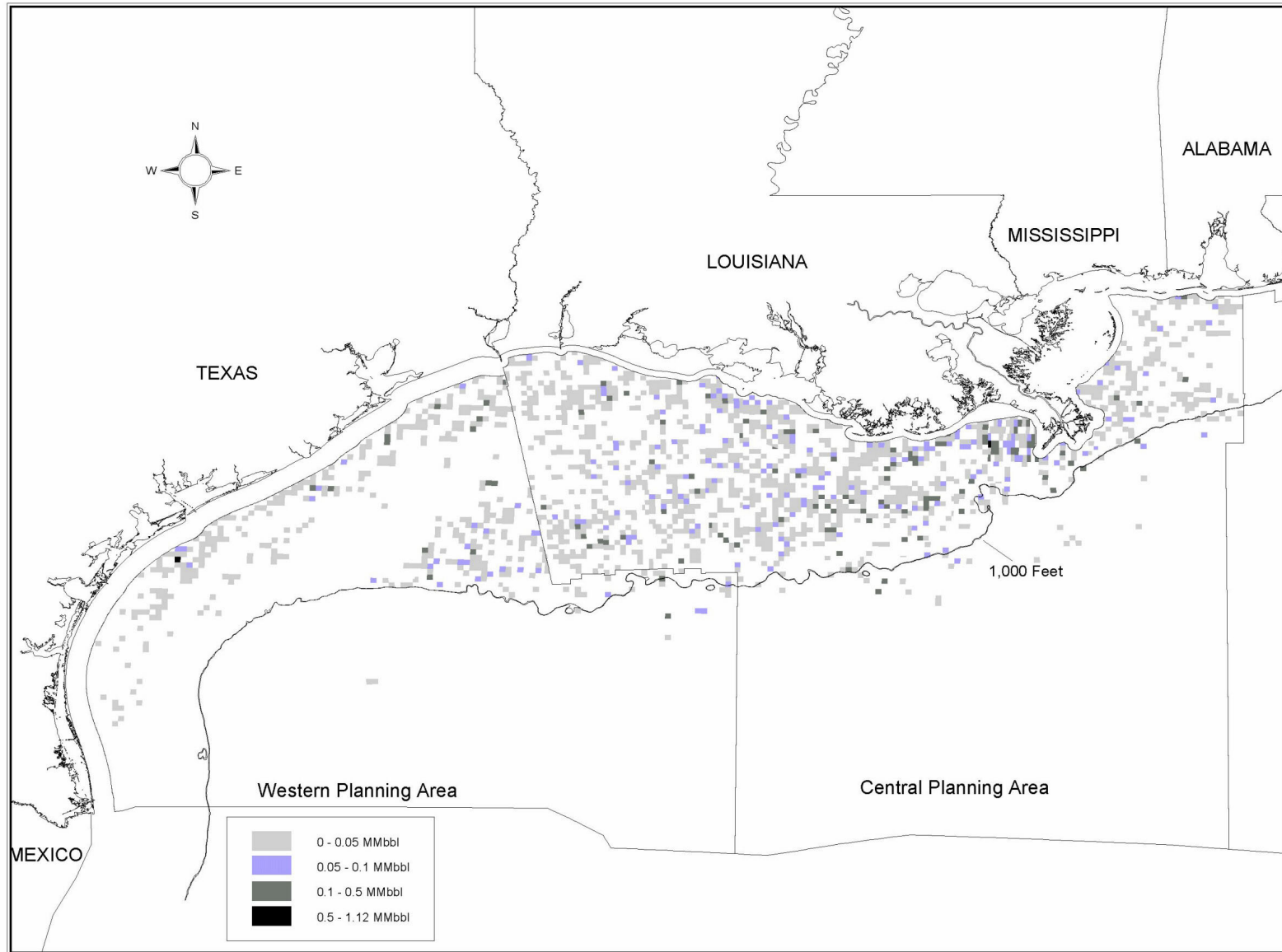


Figure 4-3. Produced Water Extracted in the Gulf of Mexico.

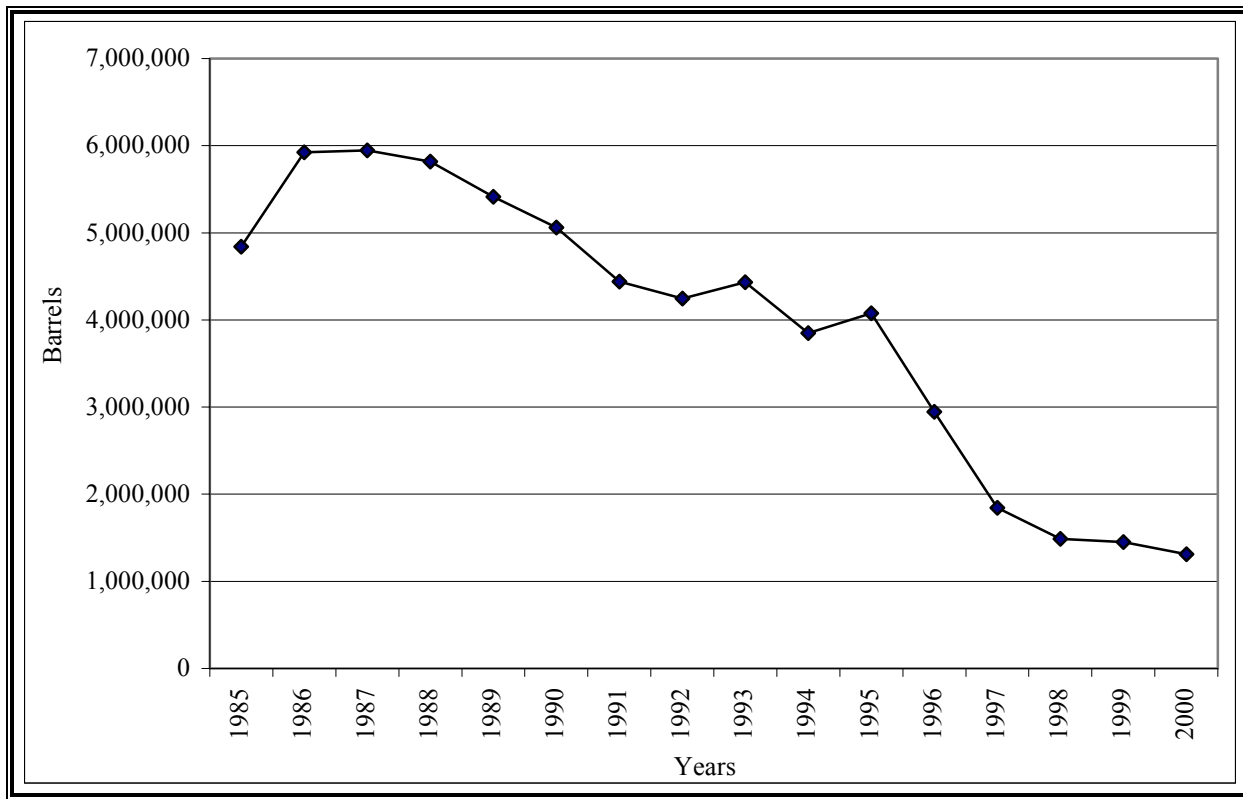


Figure 4-4. Volume of OCS Oil Barged from 1985 to 2000.

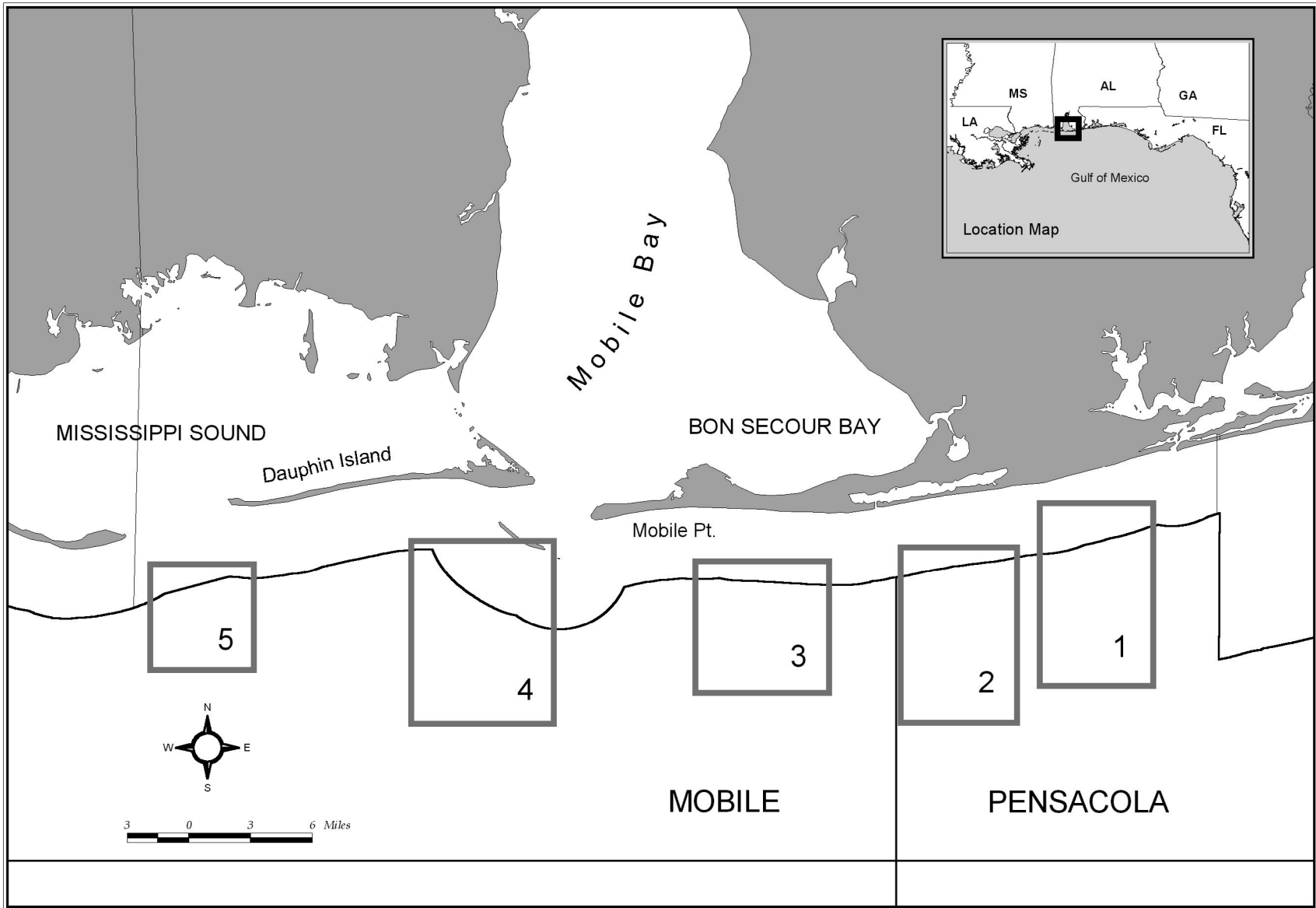


Figure 4-5. Location of Identified Sand Resource Sites Offshore Alabama.

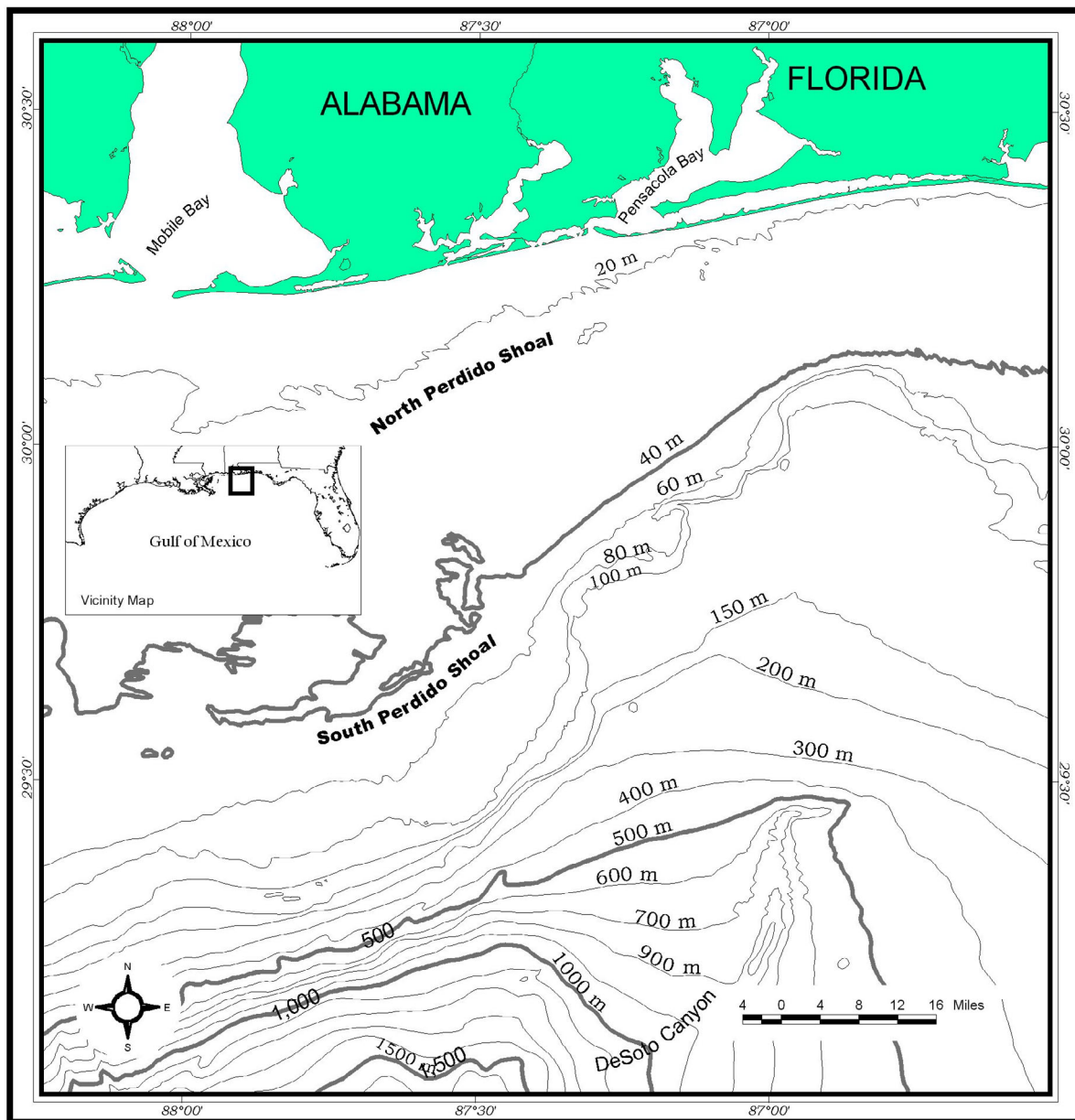


Figure 4-6. Study Area for Synthesis of Hard Mineral Resources on the Florida Panhandle Shelf.

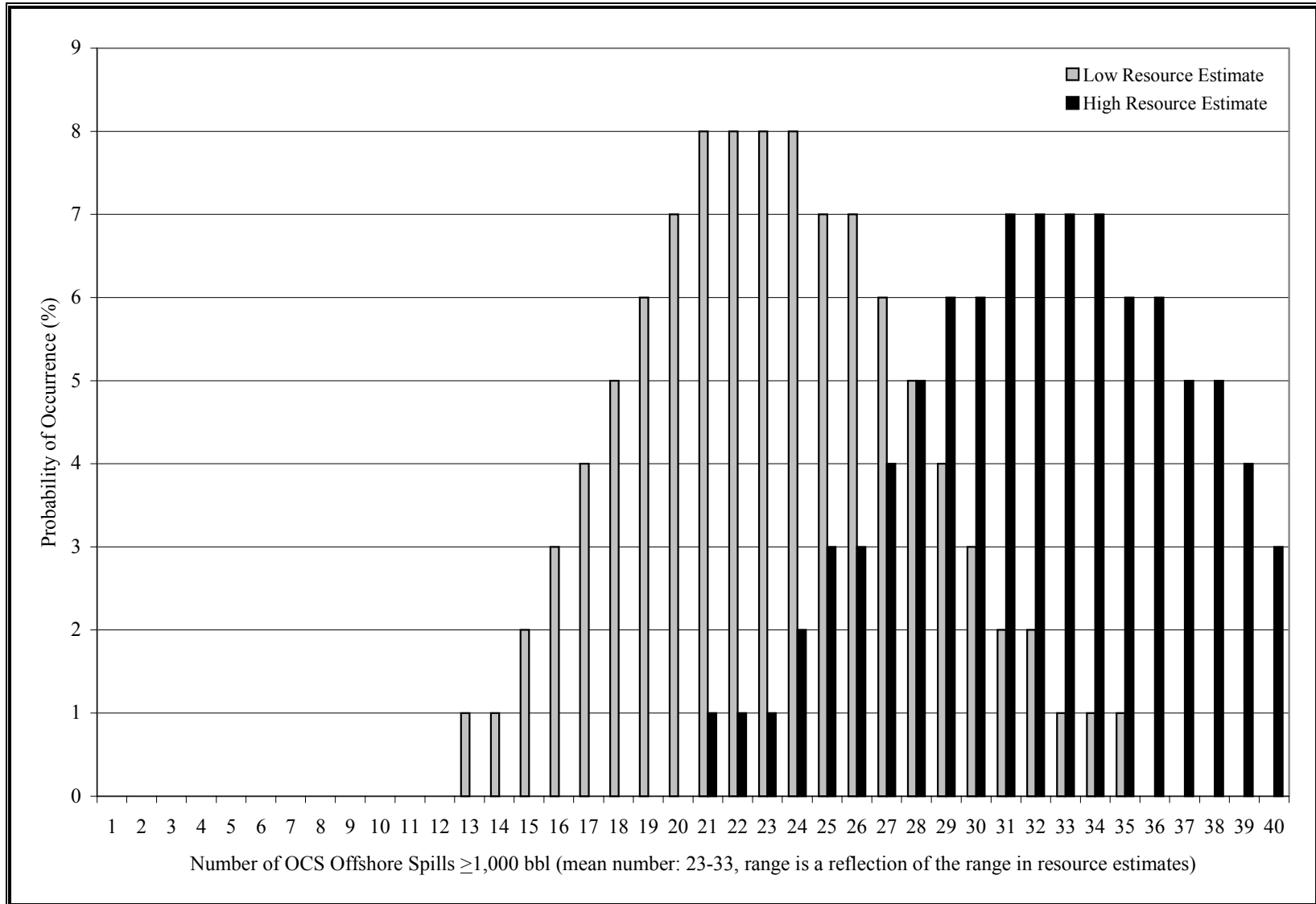


Figure 4-7. Probability that a Particular Number of Offshore Spills $\geq 1,000$ bbl Occurring as a Result of OCS Program Operations Gulfwide during the Years 2003-2042.

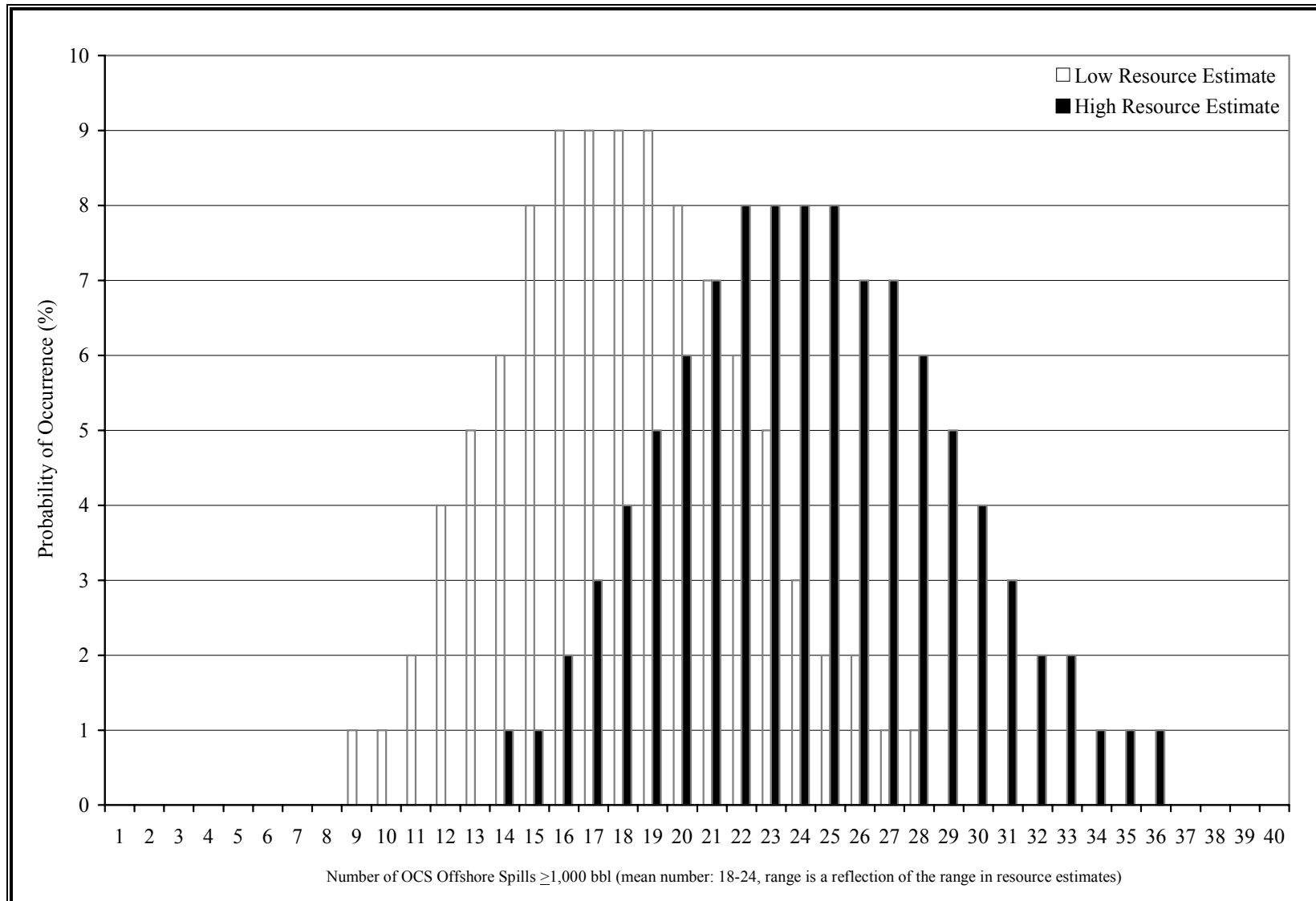


Figure 4-8. Probability of a Particular Number of Offshore Spills $\geq 1,000$ bbl Occurring as a Result of OCS Program Operations in the Central Planning Area during the Years 2003-2042.

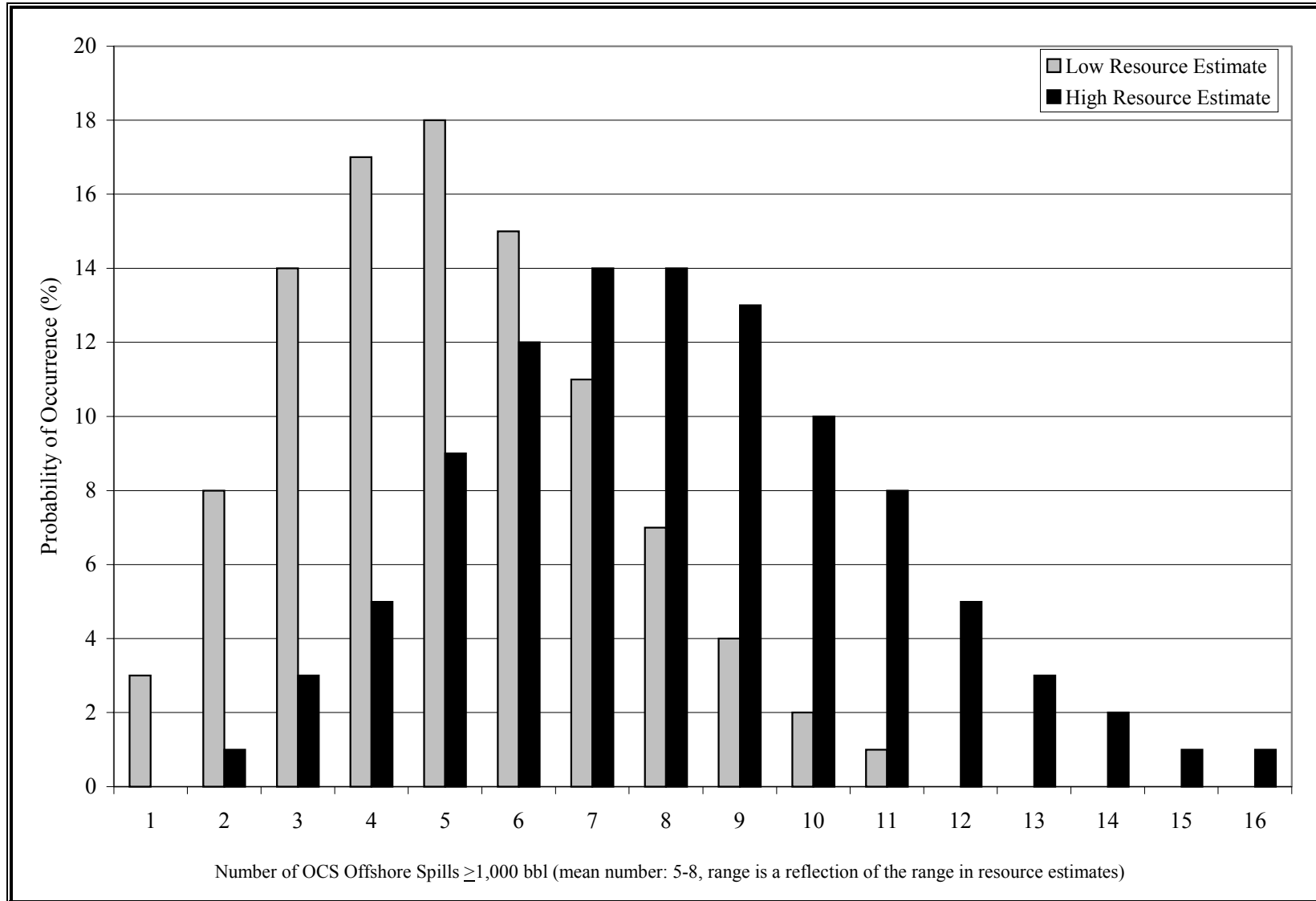


Figure 4-9. Probability of a Particular Number of Offshore Spills $\geq 1,000$ bbl Occurring as a Result of OCS Program Operations in the Western Planning Area during the Years 2003-2042.

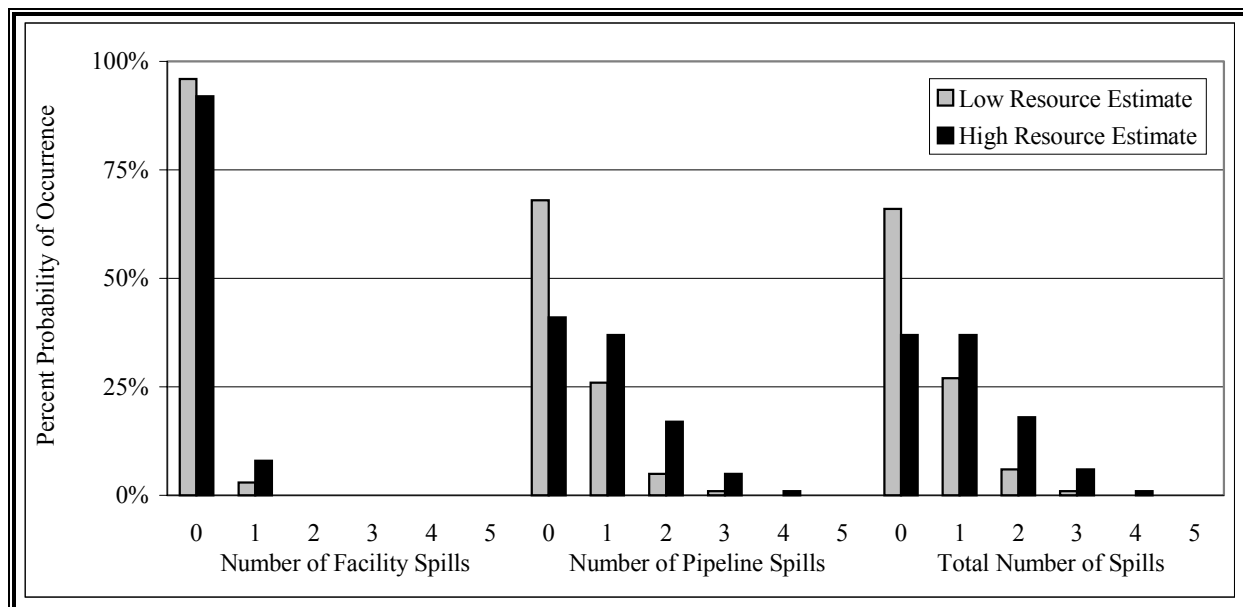


Figure 4-10. Probability (percent chance) of a Particular Number of Offshore Spills $\geq 1,000$ bbl Occurring as a Result of Either Facility or Pipeline Operations Related to a CPA Proposed Action.

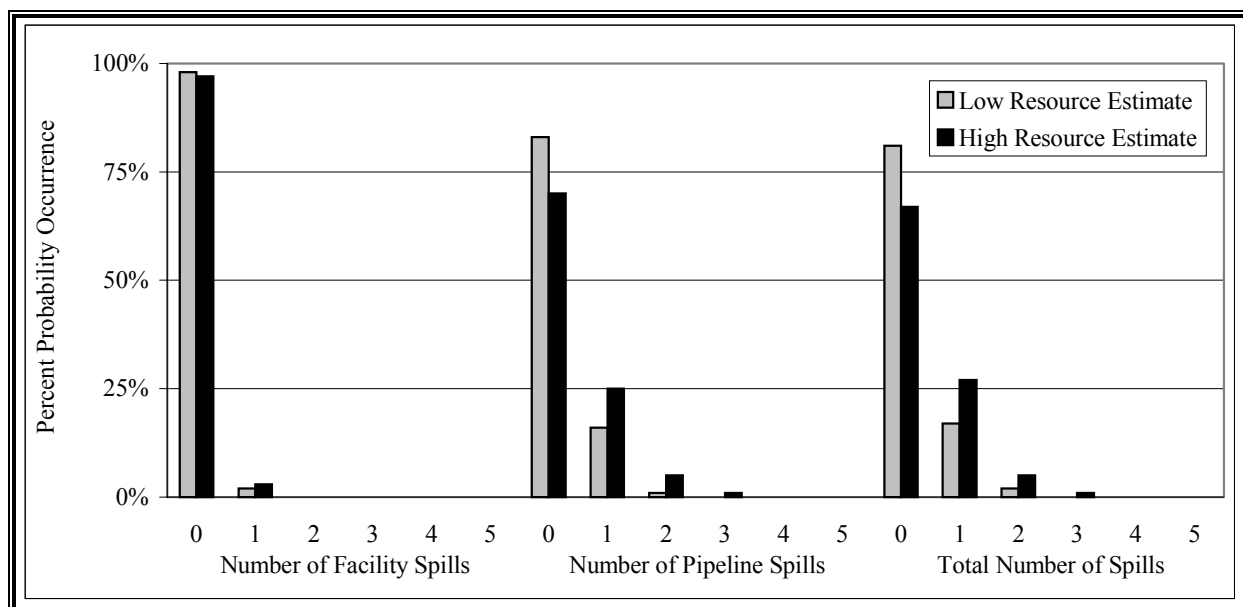


Figure 4-11. Probability (percent chance) of a Particular Number of Offshore Spills $\geq 1,000$ bbl Occurring as a Result of Either Facility or Pipeline Operations Related to a WPA Proposed Action.

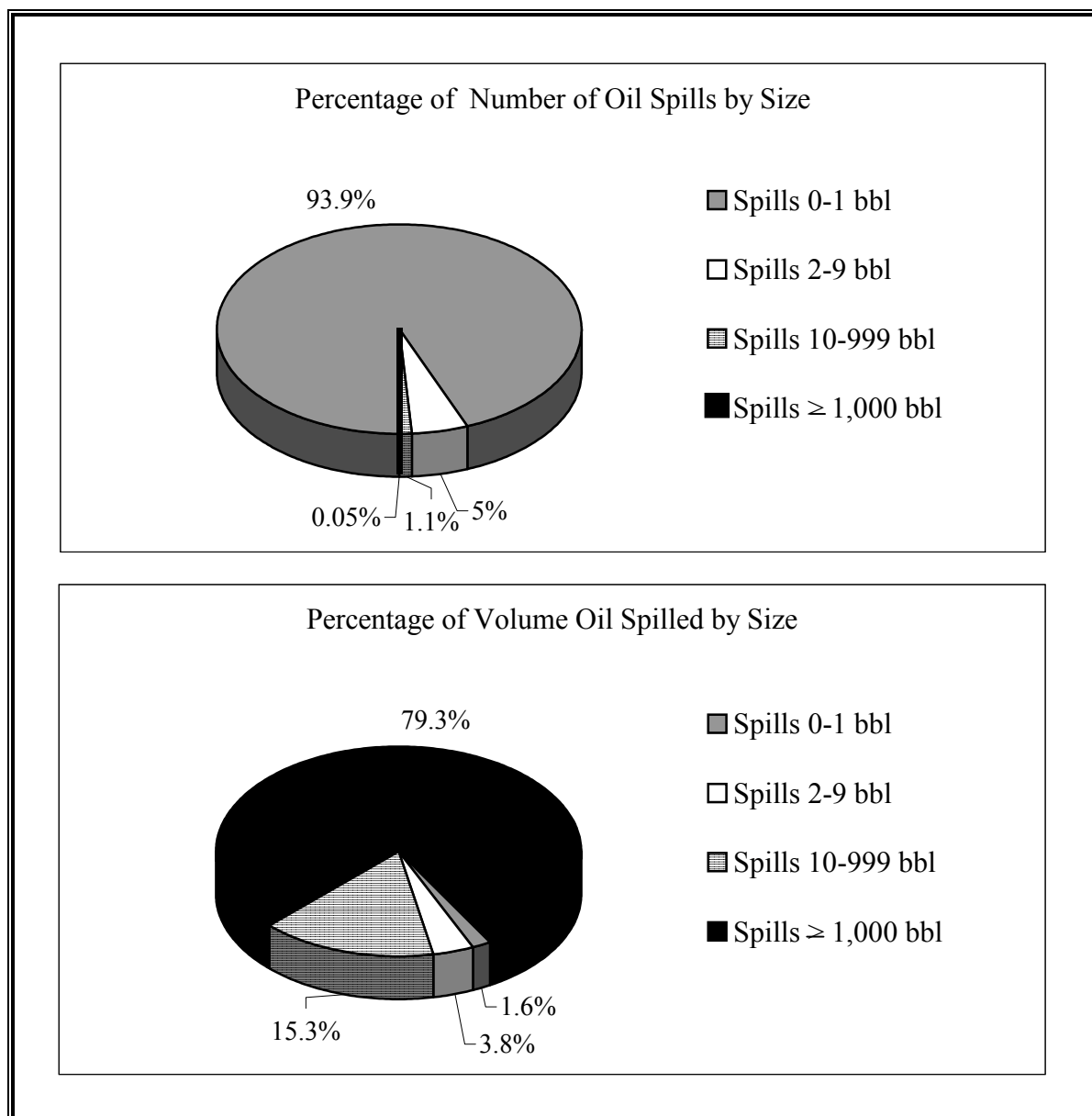


Figure 4-12. Comparison of Spill Frequency and Spill Volume for Past OCS Spills by Size Category (1971-1999 MMS OCS spill database (Anderson and La Belle, 2000)).

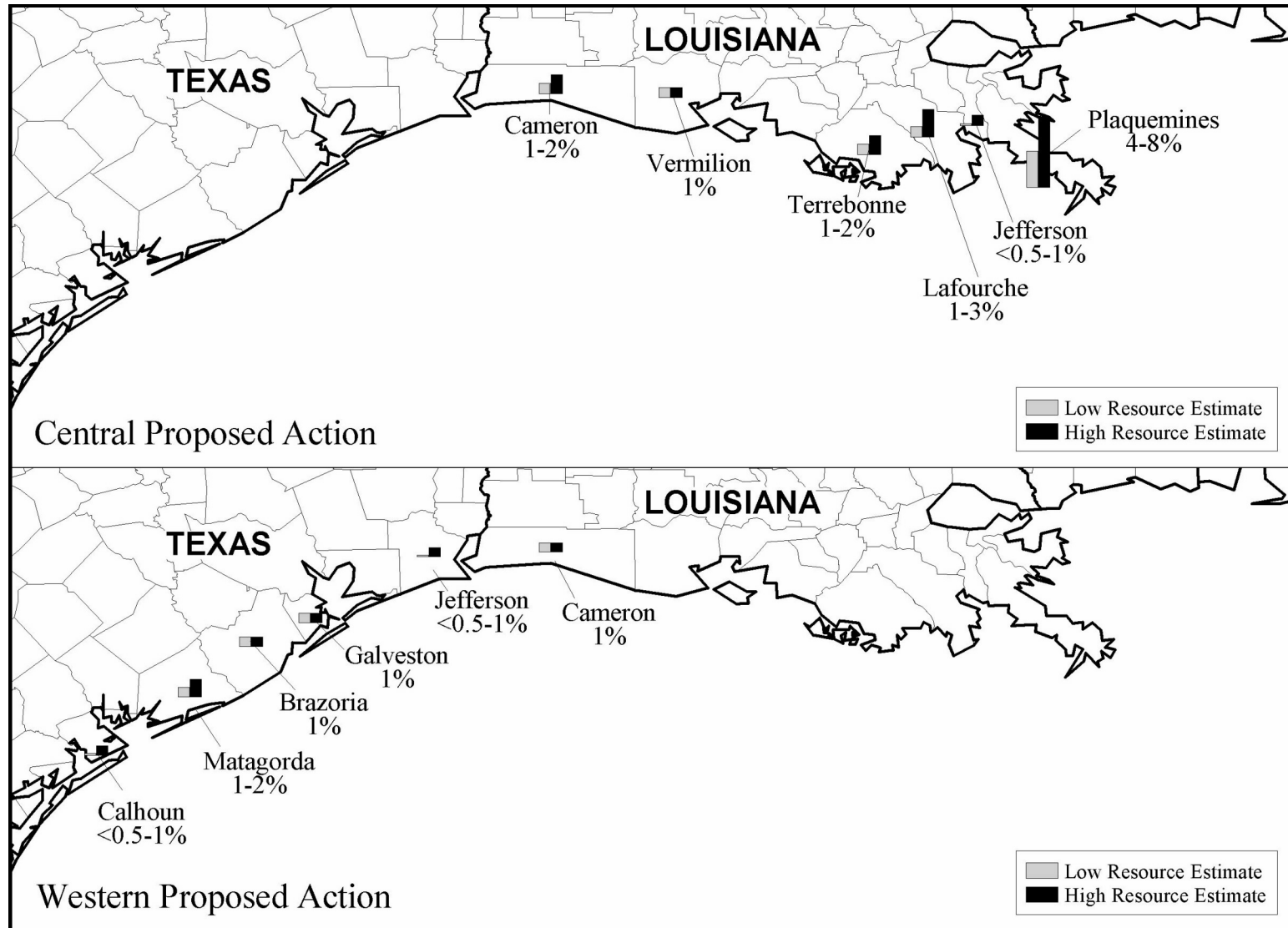


Figure 4-13. Probabilities of Oil Spills (≥1,000 bbl) Occurring and Contacting within 10 Days the Shoreline (counties and parishes) as a Result of a Proposed Action (only counties and parishes with greater than a 0.5% risk of contact within 10 days are shown).

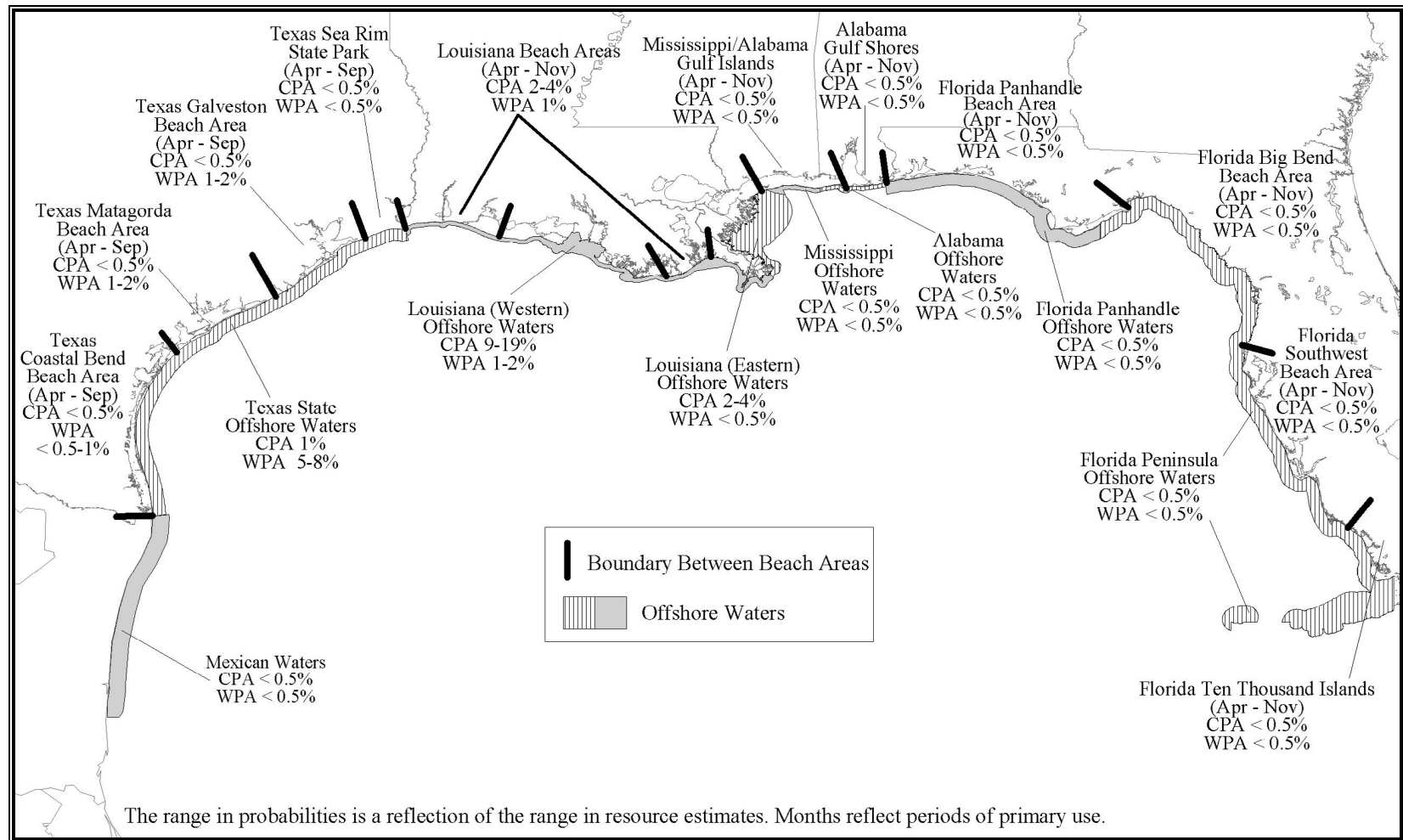


Figure 4-14. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days State Offshore Waters or Recreational Beaches as a Result of a CPA or WPA Proposed Action.

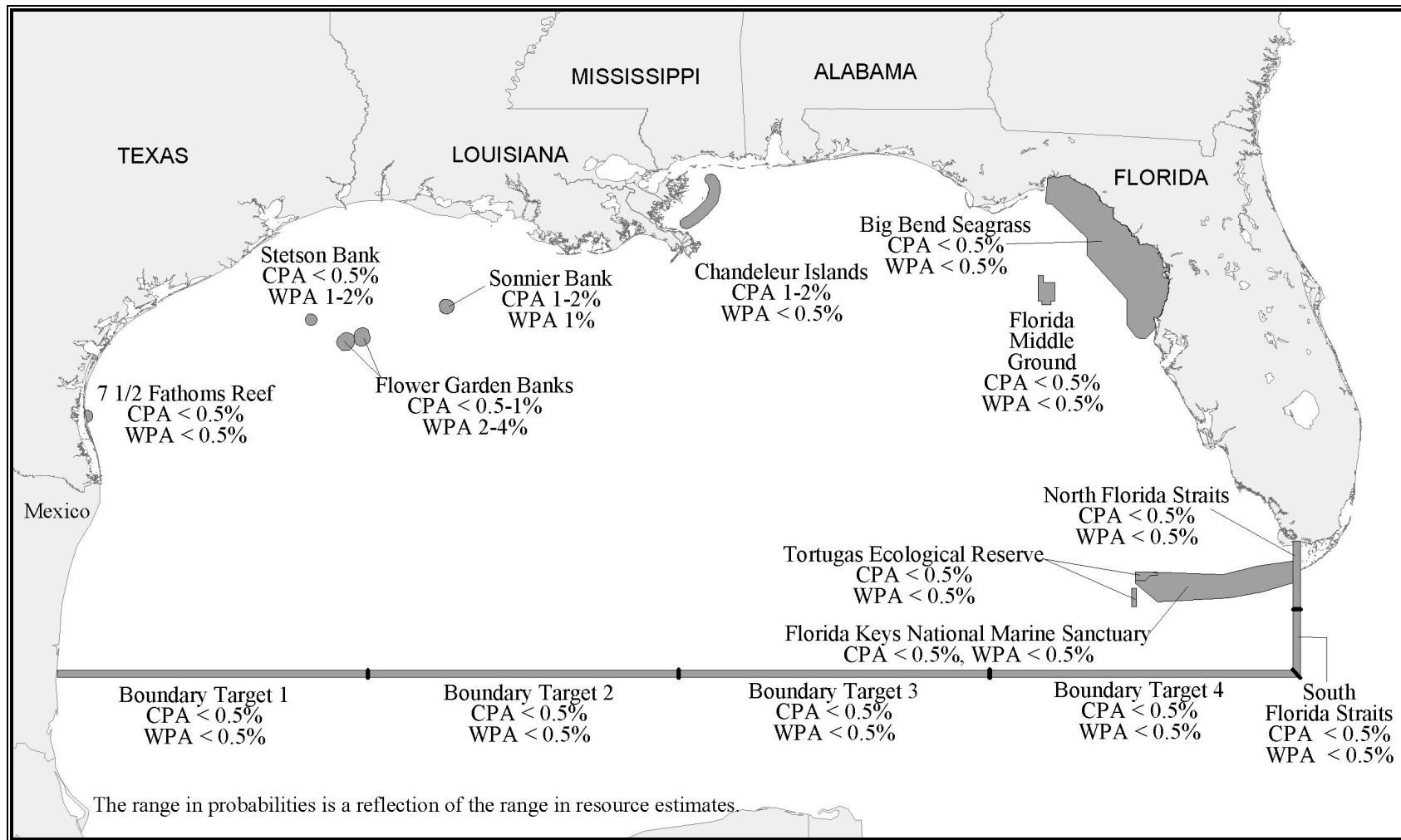


Figure 4-15. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days the Surface Waters Overlying and Surrounding Offshore Environmental Features or Boundary Targets as a Result of a CPA or WPA Proposed Action.

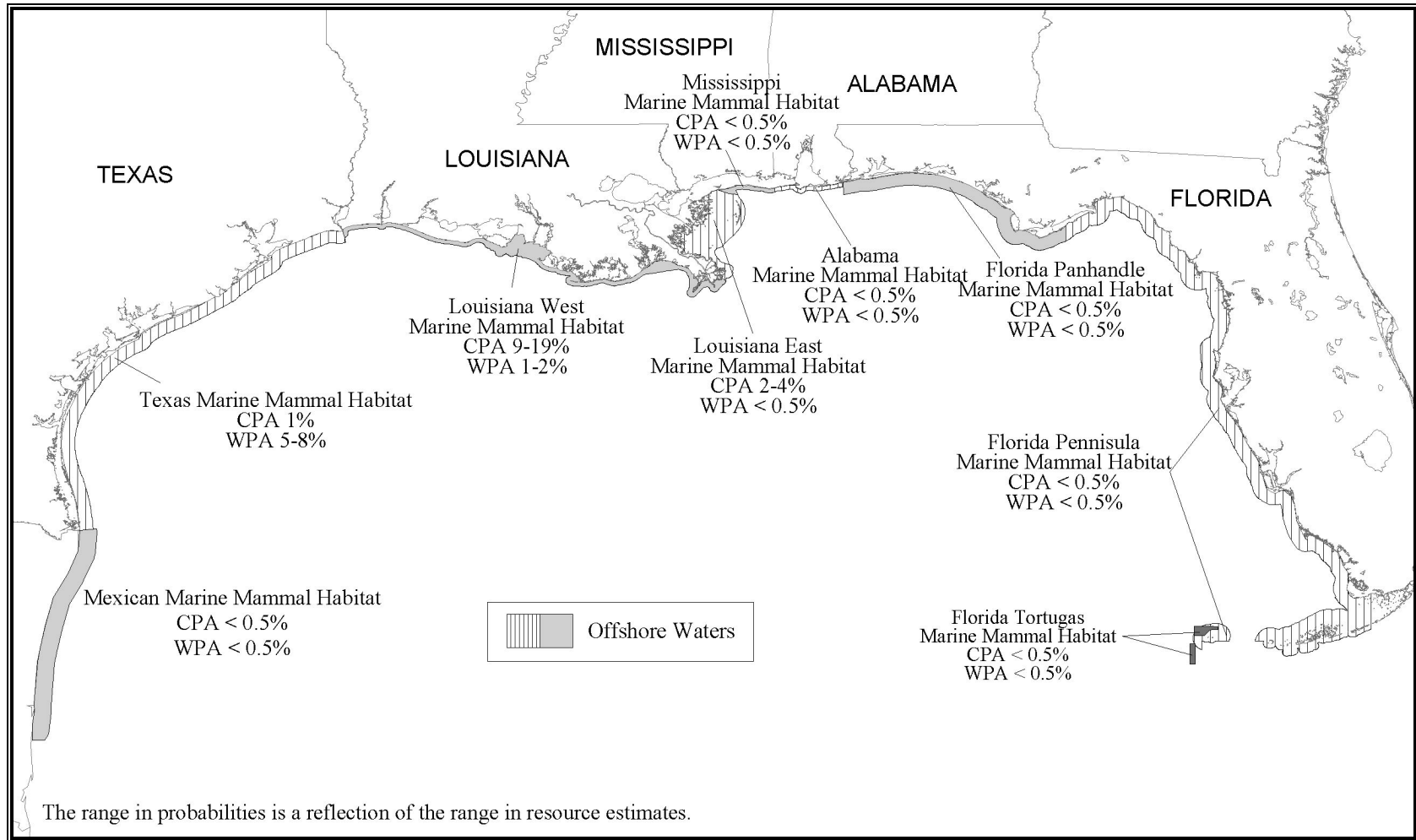


Figure 4-16. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Marine Mammal Habitats as a Result of a CPA or WPA Proposed Action.

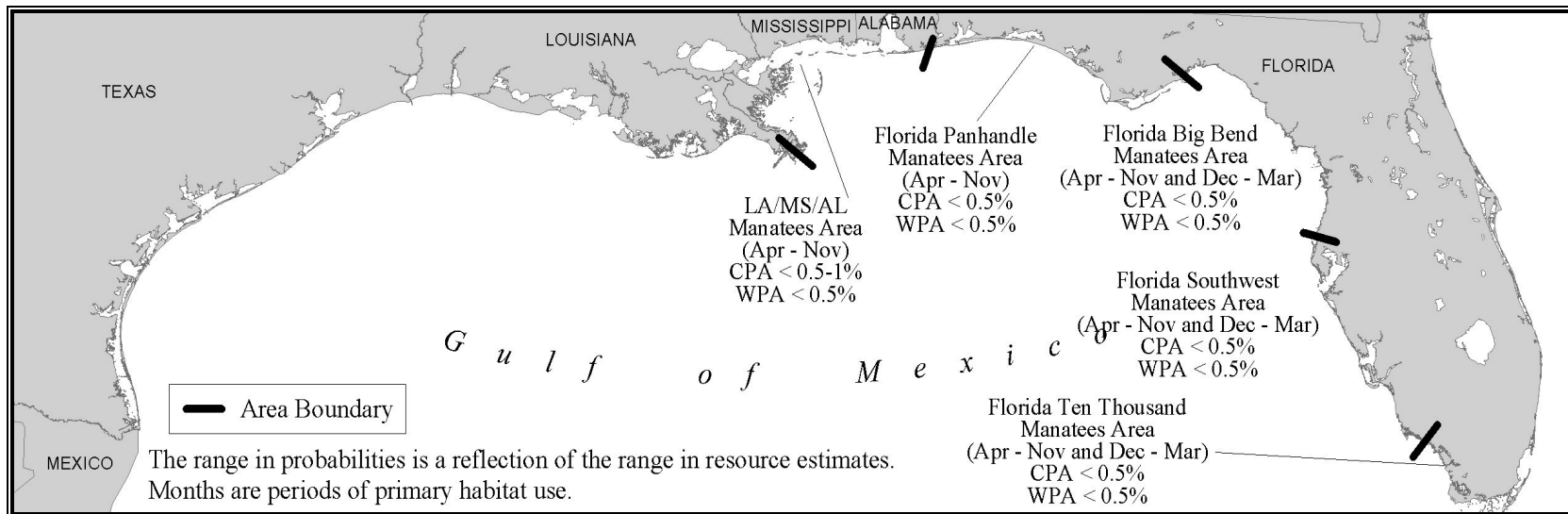


Figure 4-17. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Manatee Habitats as a Result of a CPA or WPA Proposed Action.

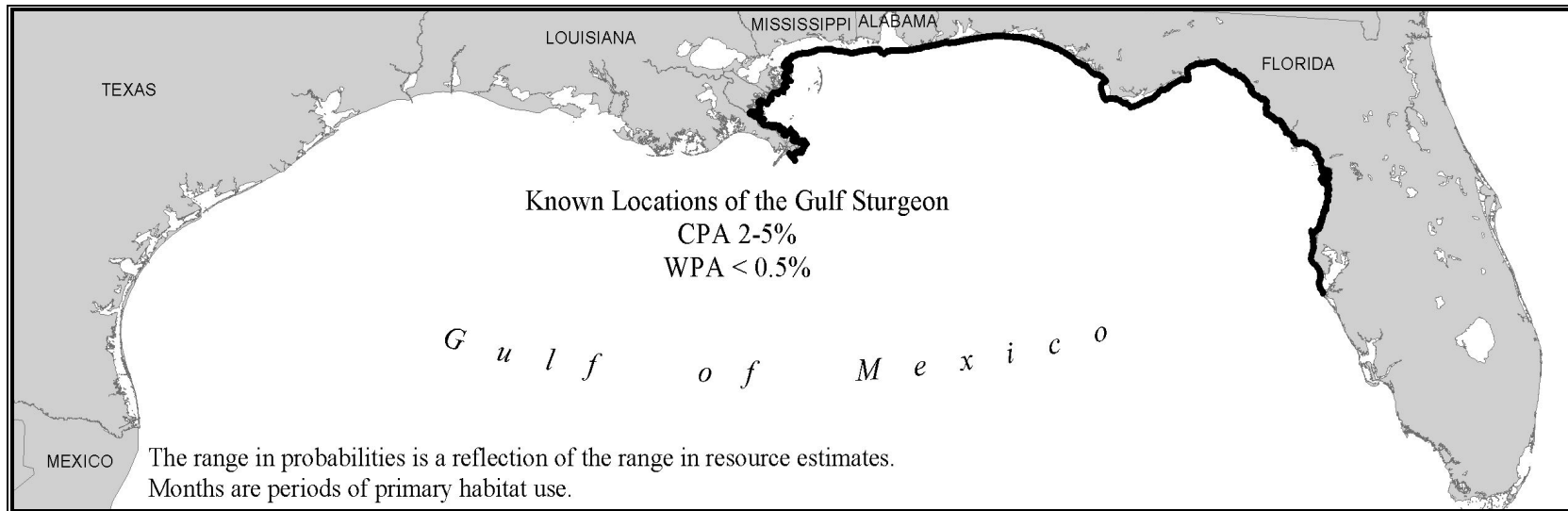


Figure 4-18. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Known Locations of Gulf Sturgeon as a Result of a CPA or WPA Proposed Action.

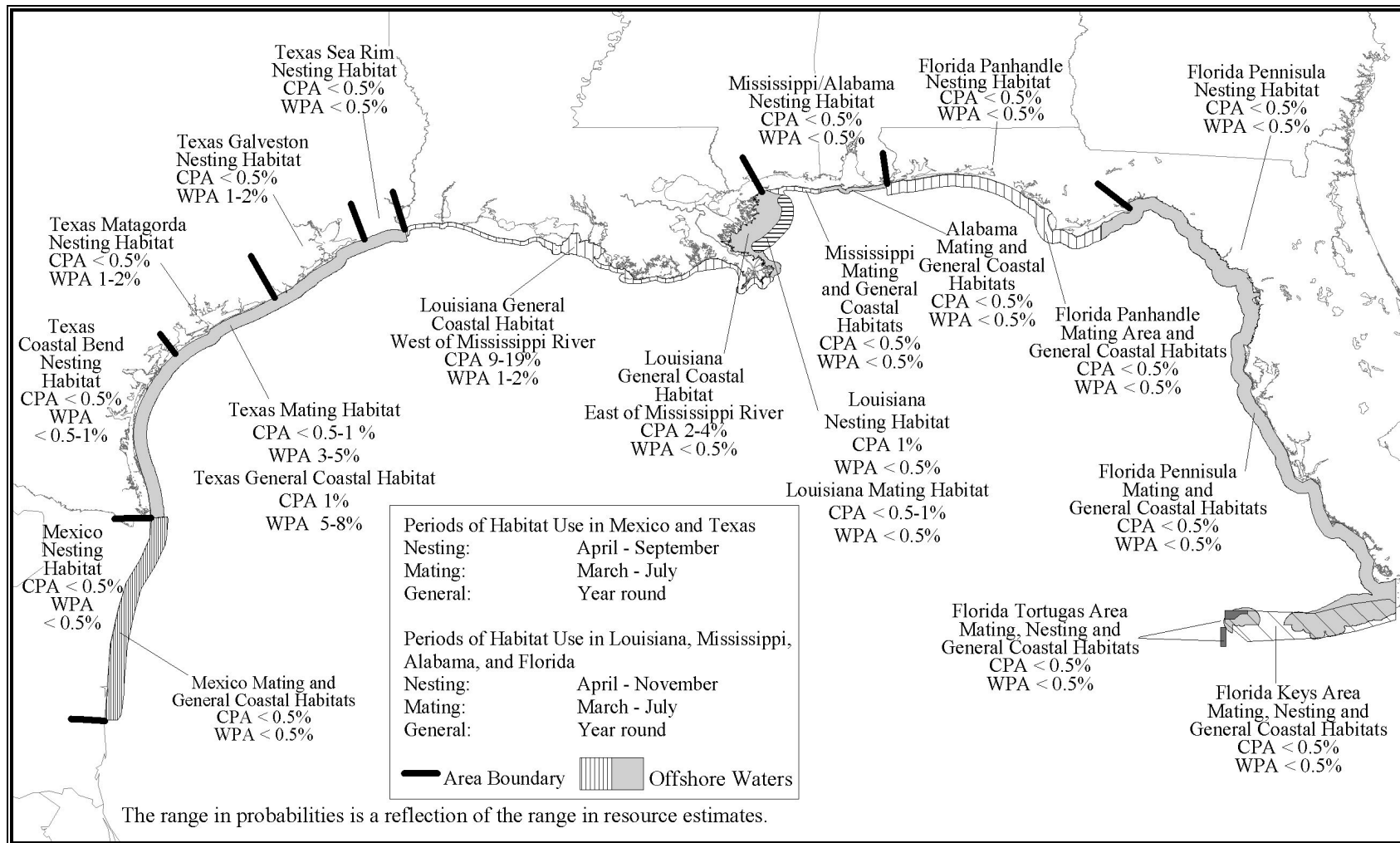


Figure 4-19. Probabilities of Oil Spills (>1,000 bbl) Occurring and Contacting within 10 Days Sea Turtle Habitats as a Result of a CPA or WPA Proposed Action.

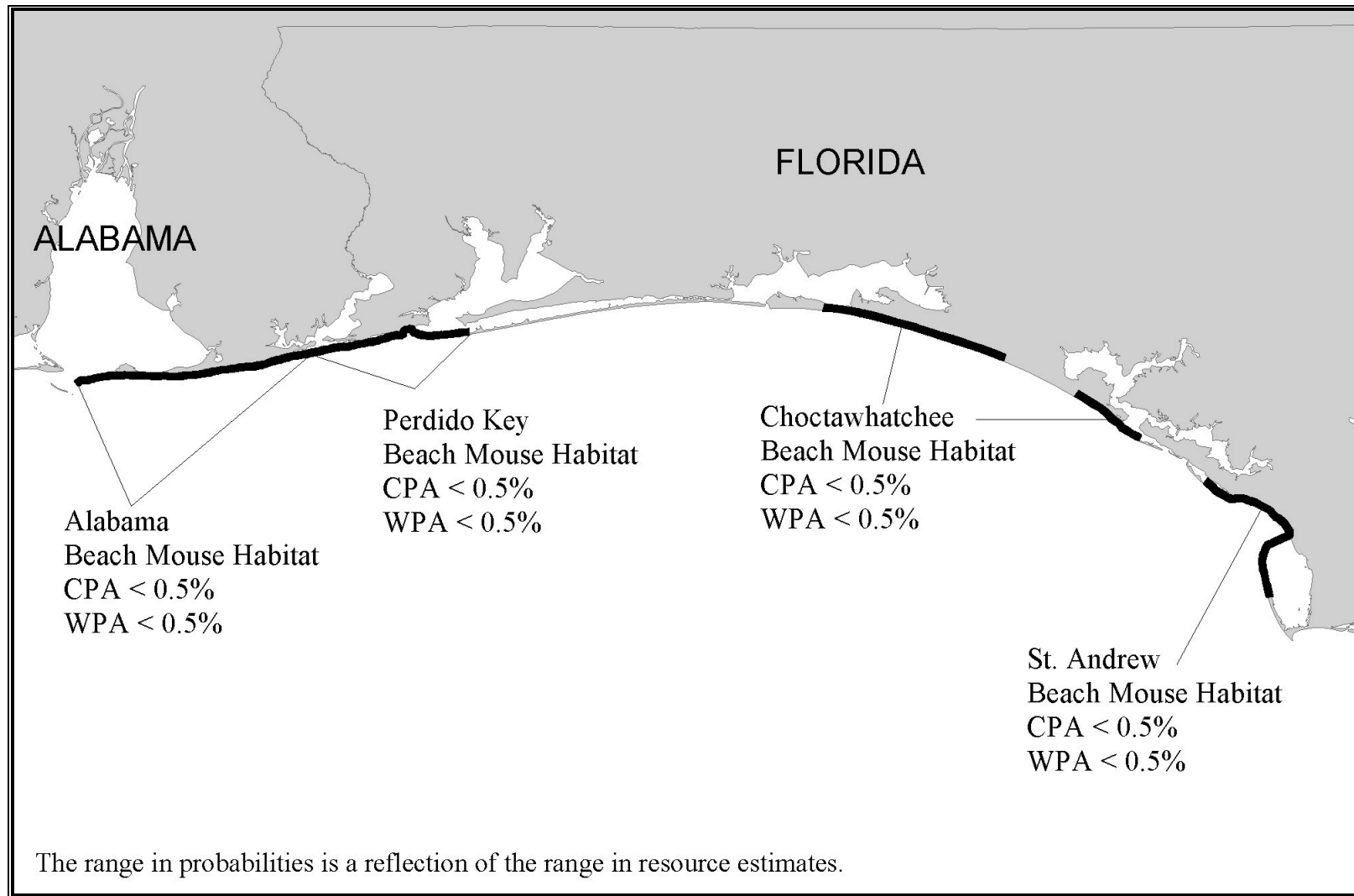


Figure 4-20. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Endangered Beach Mice Habitats as a Result of a CPA or WPA Proposed Action.

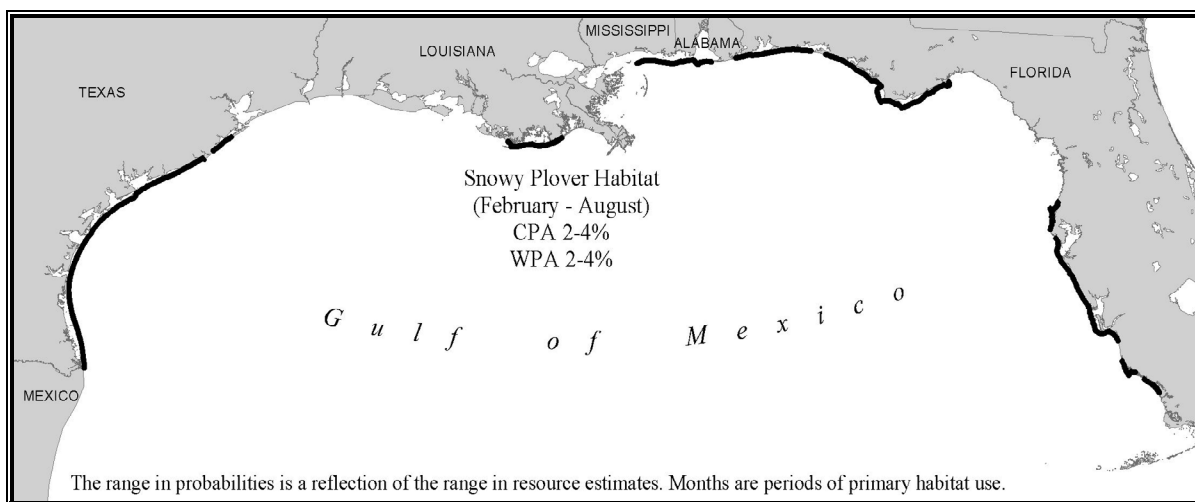


Figure 4-21. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Snowy Plover Habitat as a Result of a CPA or WPA Proposed Action.

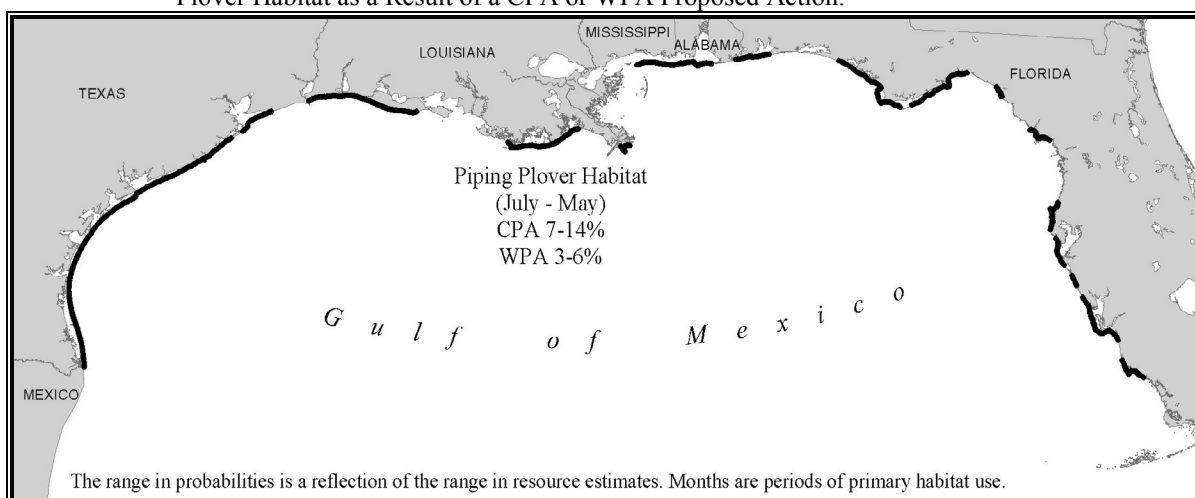


Figure 4-22. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Piping Plover Habitat as a Result of a CPA or WPA Proposed Action.

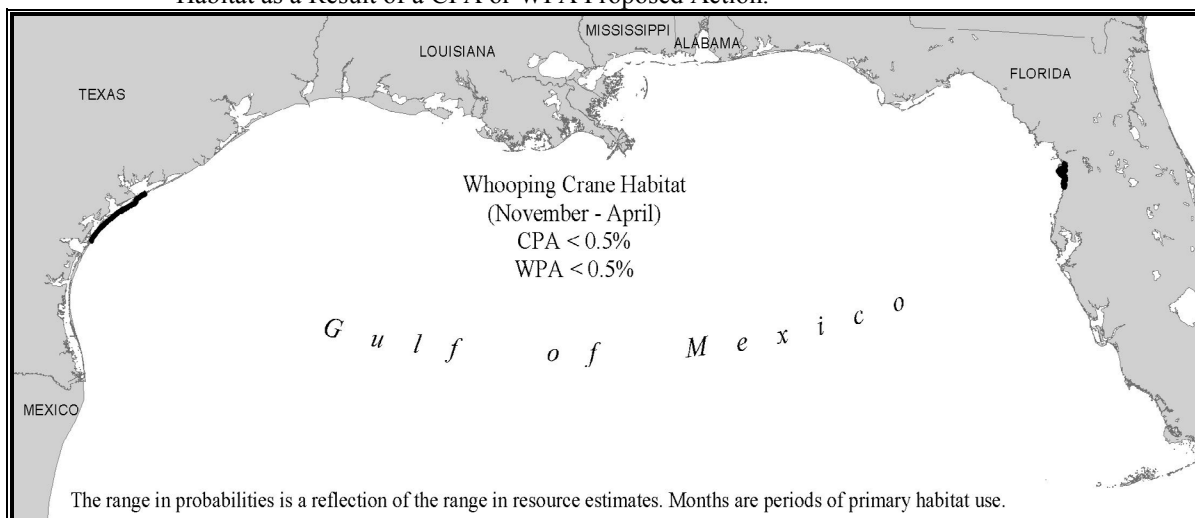


Figure 4-23. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Whooping Crane Habitat as a Result of a CPA or WPA Proposed Action.

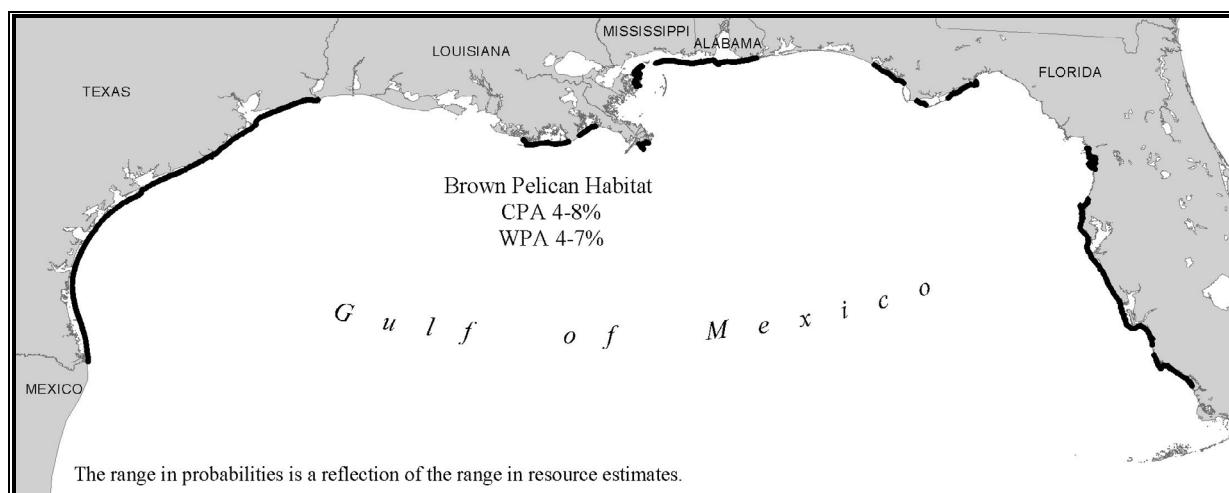


Figure 4-24. Probabilities of Oil Spills (≥1,000 bbl) Occurring and Contacting within 10 Days Brown Pelican Habitat as a Result of a CPA or WPA Proposed Action.

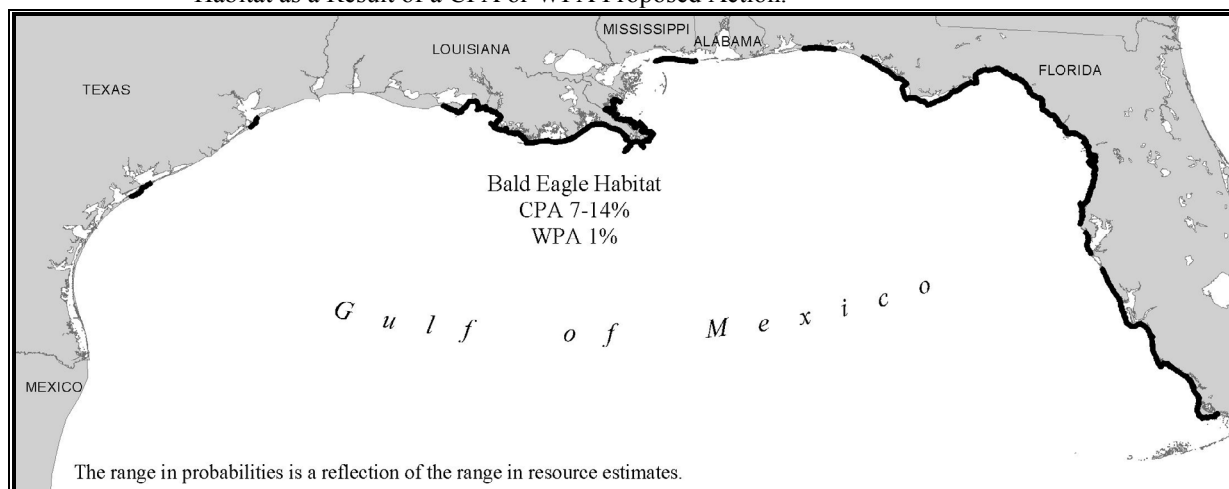


Figure 4-25. Probabilities of Oil Spills (≥1,000 bbl) Occurring and Contacting within 10 Days Bald Eagle Habitat as a Result of a CPA or WPA Proposed Action.

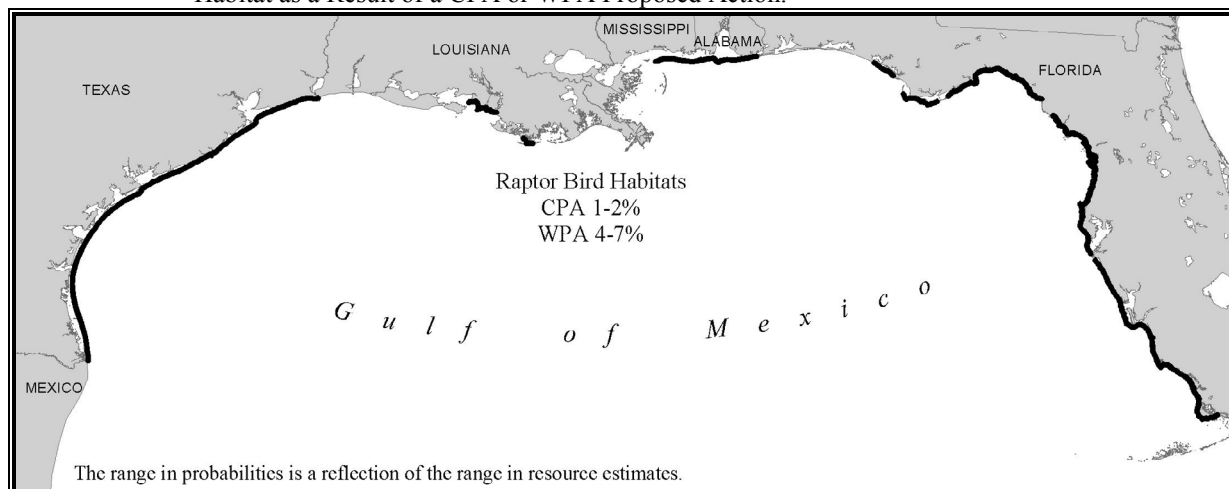


Figure 4-26. Probabilities of Oil Spills (≥1,000 bbl) Occurring and Contacting within 10 Days Raptor Bird Habitats as a Result of a CPA or WPA Proposed Action.

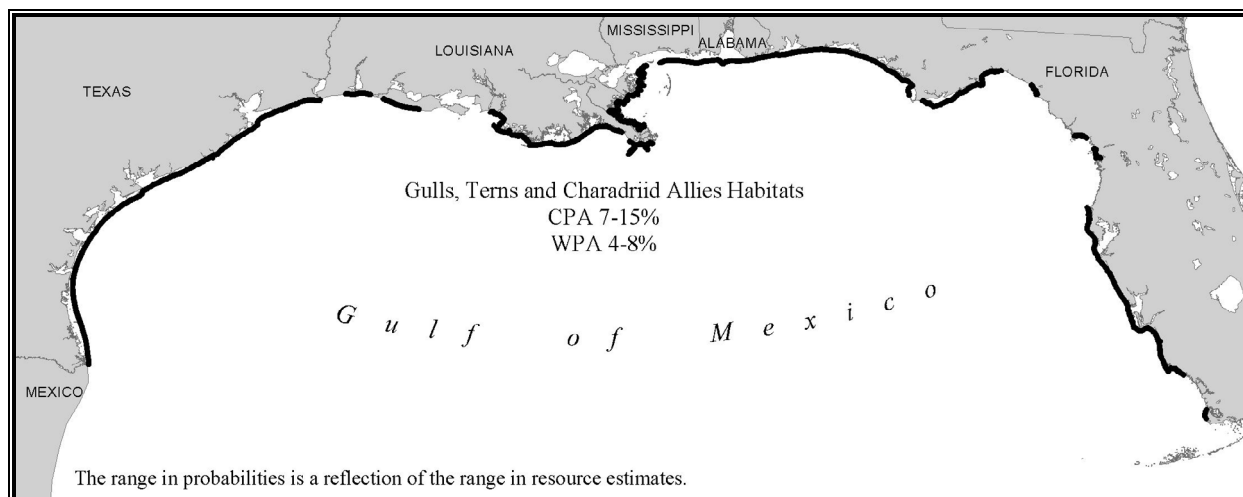


Figure 4-27. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Gull, Terns and Charadriid Allies Habitats as a Result of a CPA or WPA Proposed Action.

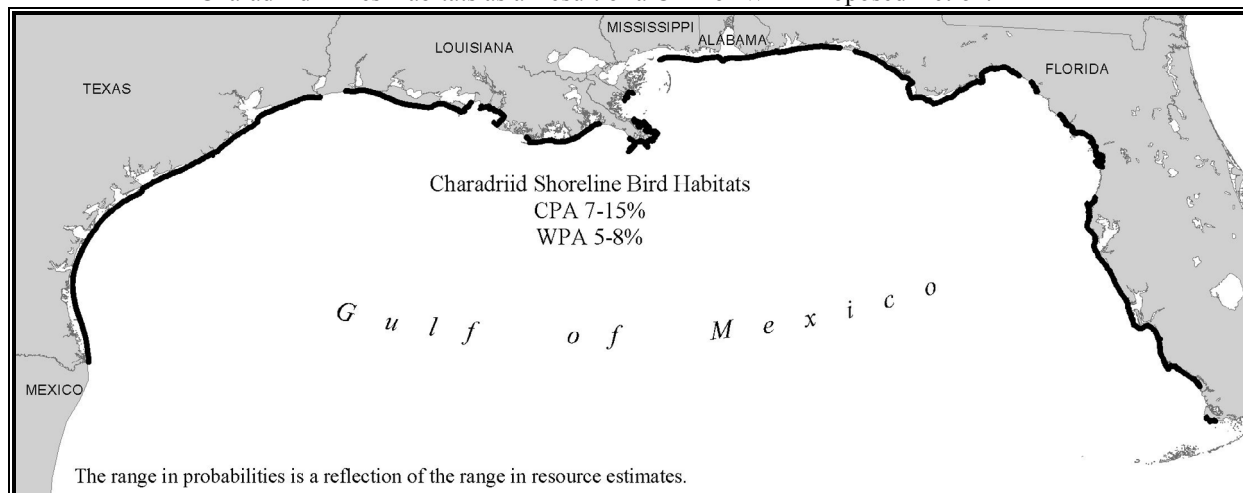


Figure 4-28. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Charadriid Shoreline Bird Habitats as a Result of a CPA or WPA Proposed Action.

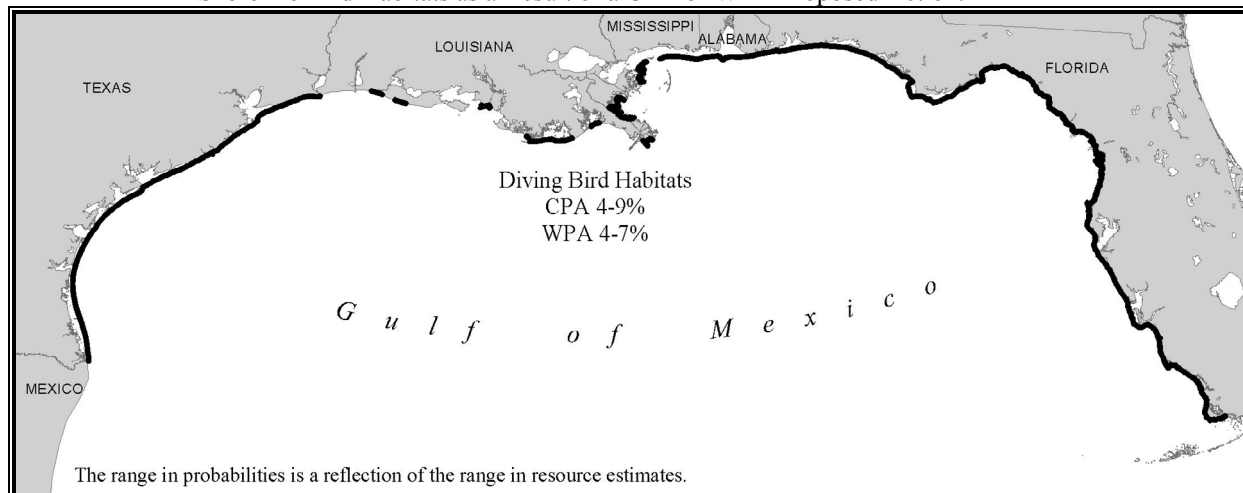


Figure 4-29. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Diving Bird Habitats as a Result of a CPA or WPA Proposed Action.

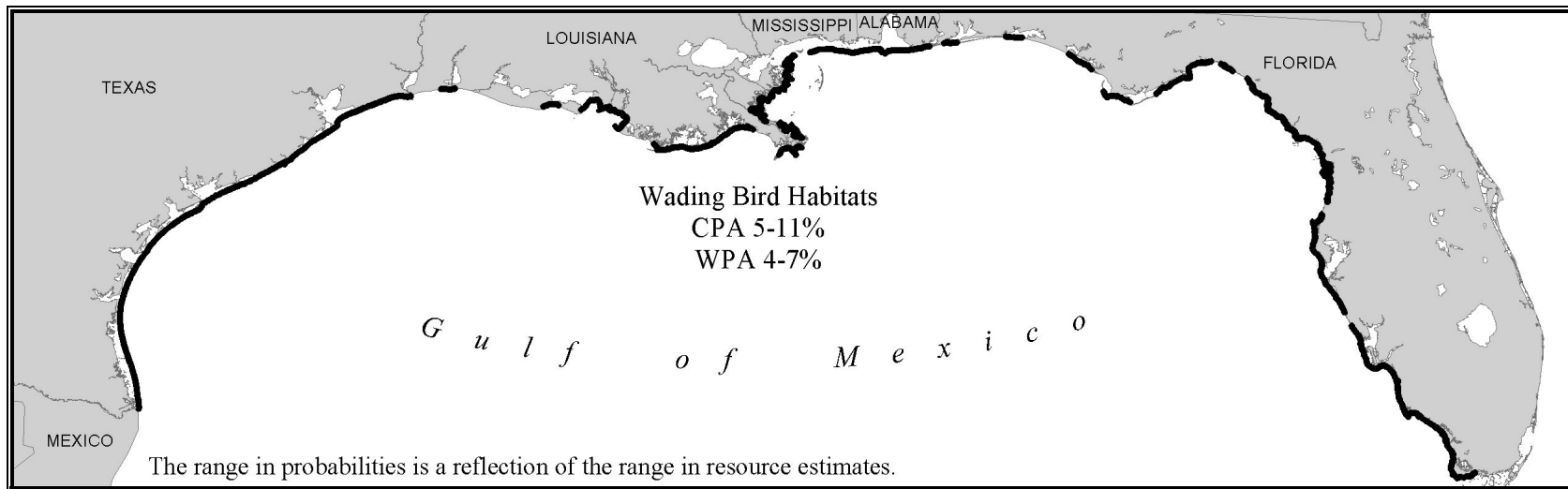


Figure 4-30. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Wading Bird Habitats as a Result of a CPA or WPA Proposed Action.

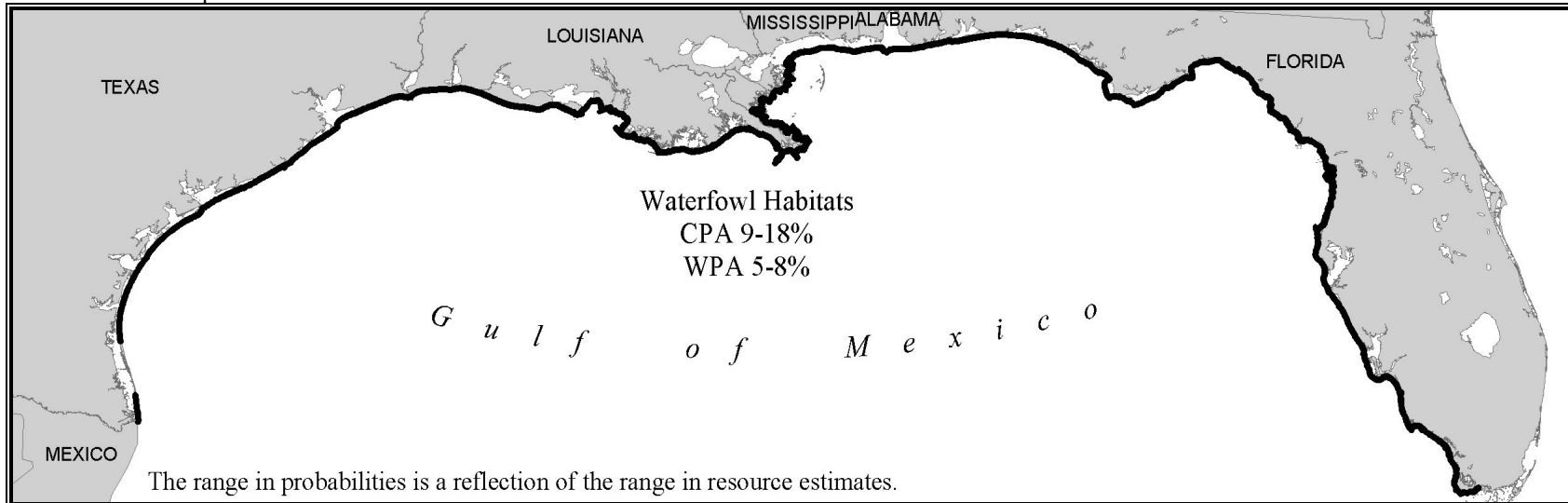


Figure 4-31. Probabilities of Oil Spills ($\geq 1,000$ bbl) Occurring and Contacting within 10 Days Waterfowl Habitats as a Result of a CPA or WPA Proposed Action.

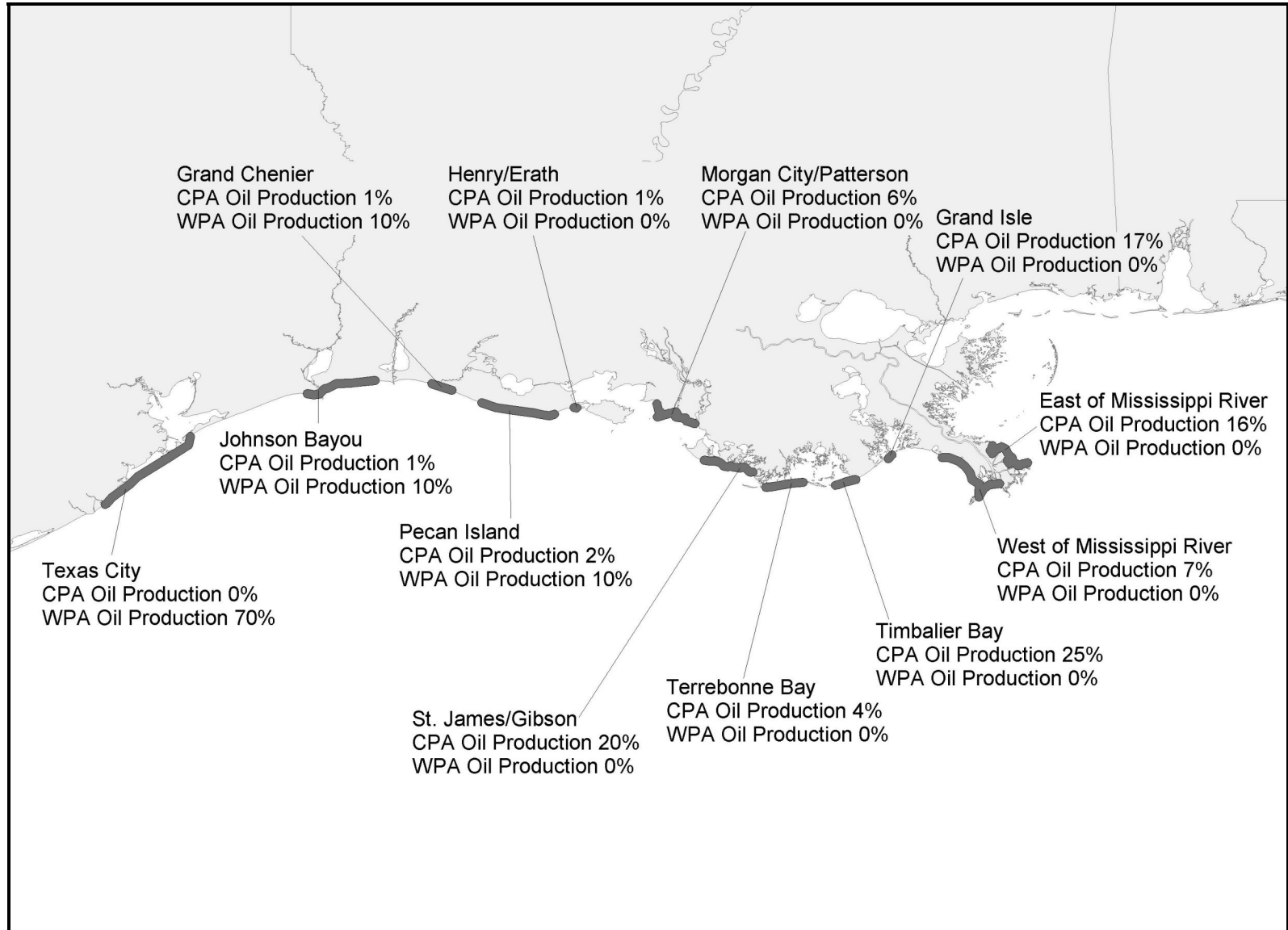


Figure 4-32. Major Oil Pipeline Landfalls Areas Developed for OSRA.

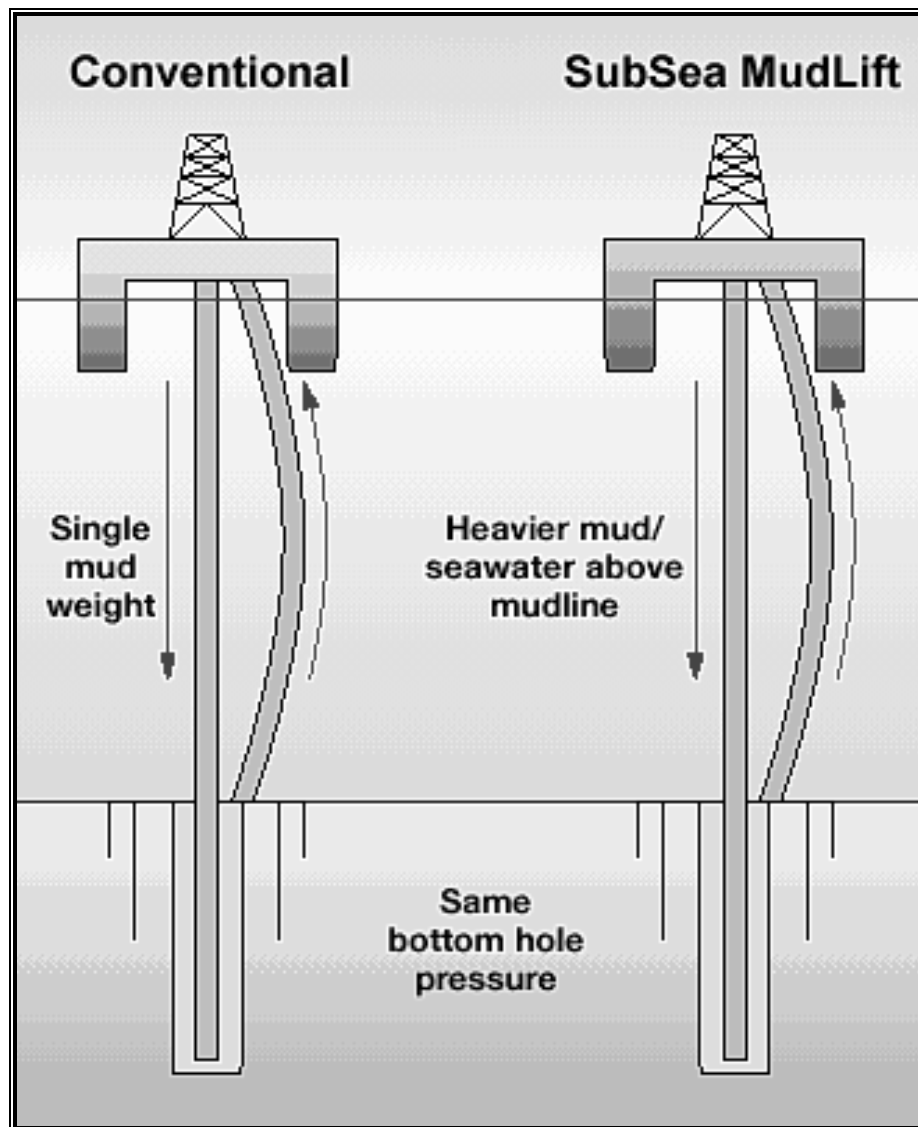


Figure 4-33. Conventional Versus Dual Gradient Drilling (DGD).